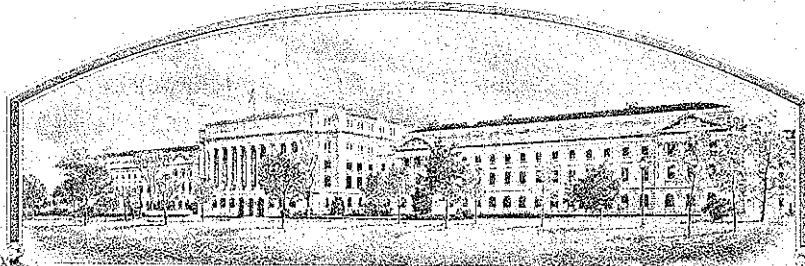


No.

8000143



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Asgrow Seed Company

Whereas, THERE HAS BEEN PRESENTED TO THE

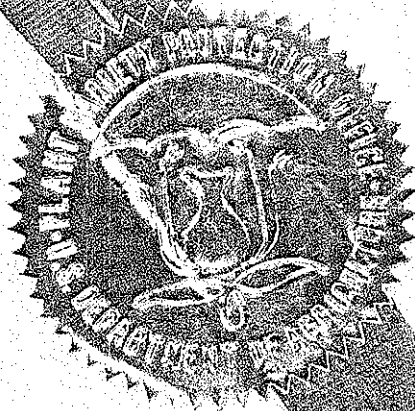
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT, 1930, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WATERMELON

'Perola'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 26th day of February in the year of our Lord one thousand nine hundred and eighty-one.

Attest:

Samuel D. Lee
Commissioner
Plant Variety Protection Office
Grain Division
Agriculture

John R. Block

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

FORM APPROVED
OMB NO. 40-R3822

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY XP2008		1b. VARIETY NAME Perola <i>WAS 1/28/81</i>		FOR OFFICIAL USE ONLY PV NUMBER 8000143	
2. KIND NAME Watermelon		3. GENUS AND SPECIES NAME Citrullus Lanatus		FILING DATE 7/22/80	TIME 11:30 <i>A.M.</i>
4. FAMILY NAME (BOTANICAL) Cucurbitae		5. DATE OF DETERMINATION September 1970		FEE RECEIVED \$ 500.00 \$ @% . 250.00	DATE 7/22/80 1/26/81
6. NAME OF APPLICANT(S) Asgrow Seed Company		7. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) 9620-190-1 Kalamazoo, MI 49001		8. TELEPHONE AREA CODE AND NUMBER 616-385-6605	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation			10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION Delaware		11. DATE OF INCORPORATION March 22, 1968
12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS: John A. Batcha Asgrow Seed Company 9620-190-1 Kalamazoo, MI 49001					

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Novelty Statement.
- ☒ 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- ☐ 13D. Exhibit D, Additional Description of the Variety.

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a). (If "Yes," answer 14B and 14C below.) ☐ YES ☒ NO

14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☐ YES ☐ NO

14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED?
☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? ☐ YES ☒ NO (If "Yes," give name of countries and dates.)

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? ☐ YES ☐ NO (If "Yes," give name of countries and dates.)

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? ☒ YES ☐ NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

June 19, 1980
(DATE)

John A. Batcha
(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

0861 2 T NNC INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- 5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- 14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

EXHIBIT A

8000143

Origin and Breeding History

In 1961 a cross was made as follows:

Charleston Grey X AA62 V09

The F₁ hybrid resulting from this cross was selfed in 1962. Selfing and selection continued through 1970 when the variety was considered uniform and stable. Since that time the variety has been increased at least three times and progeny of these increases have been observed in trials. These observations indicate the variety is uniform and stable.

Asgrow Seed Company
Plant Variety Protection Application
<XP2008> = *Perola*
June 9, 1980

8000143

EXHIBIT B

Novelty Statement

To our knowledge the variety ^{*Perola*} most similar to XP2008 is Charleston Grey. Characteristics which make ~~XP2008~~ a distinct variety include but are not necessarily restricted to the following:

^{*Perola*}
Fruit shape - Charleston Grey has oblong fruit whereas XP2008 has large round fruit.

Seed Color - Charleston Grey has dark brown mottled seed while XP2008 has ~~tan~~ colored seed.

Perola dark brown

per letter from
J. Batchelor 11/19/80

CM/S
11/26/80

XP2008 - Watermelon June 9, 1980

FORM GR-470-19
(1-15-73)UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782EXHIBIT C
(Watermelon)OBJECTIVE DESCRIPTION OF VARIETY
WATERMELON (*CITRULLUS LANATUS*)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

Asgrow Seed Company

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

Kalamazoo, MI 49001

FOR OFFICIAL USE ONLY

PVPO NUMBER

8000143

VARIETY NAME OR TEMPORARY
DESIGNATION

Perola

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g. or) when number is either 99 or less or 9 or less.

1. TYPE:

 1 = OBLONG 2 = ROUND LARGE 3 = ROUND SMALL (icebox)

2. AREA OF BEST ADAPTATION:

 1 = SOUTH 2 = NORTHEAST/NORTHCENTRAL 3 = SOUTHWEST 4 = MOST AREAS

3. EMERGENCE TO ANTHESIS:

 NO. OF DAYS EARLIER THAN 1 = CHARLESTON GREY NO. OF DAYS LATER THAN 2 = OTHER (Specify) Crimson Sweet

4. POLLINATION TO MATURITY:

 NO. OF DAYS EARLIER THAN 1 = CHARLESTON GREY NO. OF DAYS LATER THAN 2 = OTHER (Specify) Crimson Sweet

5. PLOIDY:

 1 = DIPLOID 2 = TETRAPLOID 3 = TRIPLOID

6. PLANT

 Cotyledon: 1 = FLAT 2 = FOLDED 1 = MONOECIOUS 2 = ANDROMONOECIOUS

Number of flowers per plant at first fruit set:

 STAMINATE PISTILLATE PERFECT NO. OF MAIN STEMS AT CROWN

7. STEM:

 1 = ROUND 2 = ANGULAR MM. DIAMETER AT SECOND NODE 1 = GLABROUS 2 = SCABROUS 3 = PUBESCENT 4 = BRISTLED CM. VINE LENGTH \div NO. OF INTERNODES (At last harvest)

8. LEAF:

 1 = OVATE 2 = OBOVATE 3 = ROUND 1 = LONGER THAN WIDE 2 = LENGTH-WIDTH EQUAL 3 = WIDER THAN LONG Dorsal Surface: } 1 = SMOOTH 2 = PUBESCENT Ventral Surface: } Color: 1 = LIGHT GREEN 2 = GRAY GREEN 3 = MEDIUM GREEN 4 = DARK GREEN

9. FLOWER (At first fruit set):

 Staminate: CM. ACROSS Perfect: CM. ACROSS Color: 1 = LEMON YELLOW 2 = YELLOW 3 = ORANGE

June 9, 1980

10. MATURE FRUIT:

1 = ROUND 2 = OVAL 3 = CYLINDRICAL CM. LONG CM. DIAMETER AT MIDSECTION
 KG. AVERAGE WEIGHT INDEX = LENGTH ÷ DIAMETER X 10
 1 = SMOOTH 2 = SLIGHTLY GROOVED 3 = DEEPLY GROOVED
 Color: 1 = SOLID (One color) 2 = STRIPE 3 = MOTTLE/NET
 Primary Color: } 1 = YELLOW GREEN (Desert King) 2 = LIGHT GREEN (Charleston Grey) 3 = MEDIUM GREEN (Sugar Baby)
 Secondary Color: } 4 = DARK GREEN (Florida Giant) 5 = OTHER (Specify) _____

11. RIND:

1 = TENDER 2 = BRITTLE 3 = TOUGH THICKNESS MM, BLOSSOM END
 THICKNESS MM, SIDES

12. FLESH:

1 = CRISP 2 = SOFT 1 = COARSE-FIBROUS 2 = FINE-LITTLE FIBER
 Color: 1 = YELLOW 2 = ORANGE 3 = PINK 4 = RED 5 = DARK RED
 REFRACTOMETER % SOLUBLE SOLIDS OF JUICE (Center of fruit) % CHECK VARIETY (Specify) Charleston Grey
 % HOLLOW HEART % PLACENTAL SEPARATION % TRANSVERSE CRACK

13. SEED:

MM. LONG MM. WIDE MM. THICK
 INDEX ÷ LENGTH ÷ WIDTH X 10 GM. PER 1000 SEED NO. SEED PER FRUIT
 Color: 1 = WHITE 2 = WHITE-TAN TIPPED 3 = WHITE-PINK TIPPED 4 = TAN 5 = GREEN
 6 = RED 7 = DARK BROWN 8 = DARK BROWN MOTTLED 9 = BLACK 10 = MOTTLED BLACK

14. DISEASE RESISTANCE: (0 = Untested, 1 = Susceptible, 2 = Resistant)

ANTHRACNOSE (Race _____) DOWNY MILDEW FUSARIUM WILT GUMMY STEM BLIGHT
 SQUASH MOSAIC WATERMELON MOSAIC POWDERY MILDEW CUCUMBER MOSAIC
 OTHER (Specify) _____

15. OTHER RESISTANCE: (0 = Untested, 1 = Susceptible, 2 = Resistant)

SUNBURN ROOT KNOT OTHER (Specify) _____

16. NAME A VARIETY THAT MOST CLOSELY RESEMBLES THAT SUBMITTED:

Days maturity	Charleston Grey	Fruit shape	Crimson Sweet
Plant vigor	Charleston Grey	Rind color	Charleston Grey
Fruit Size	Crimson Sweet	Flesh quality	Charleston Grey

REFERENCES:

1. Frey, K. J. 1966. Plant Breeding - Symposium. 1 ed. Iowa State University Press.
2. Ware, G. W. and McCollum, J. P. 1968. Producing Vegetable Crops. Interstate Printers & Publishers, Inc. Danville, Illinois.
3. Whitaker, T. W. and Davis, G. N. 1962. Cucurbits. Interscience Publishers, Inc. New York.
4. Nickerson's or any recognized color fan should be used to determine the plant colors of the described variety.



Asgrow Seed Company

80-143

Watermelon 'Perola' I

Transfer of Plant Variety Protection Act Rights

Asgrow Seed Company, a Delaware Corporation with its principle place of business at 2605 E. Kilgore Road, Kalamazoo MI 49001, is the owner of the Plant Variety Protection Act Certificates and applications for certificates listed on and attached as Exhibit A to this document (the "Certificates and Applications").

For good and valuable consideration, receipt of which is hereby acknowledged, Asgrow hereby transfers all of its right, title and interest in and to the Certificates and Applications and to all rights relating thereto under the Plant Variety Protection Act to Seminis Vegetable Seeds, Inc., a California corporation, whose principle place of business is at 1905 Lirio Street, Saticoy, CA 93007-4206.

Dated: January 31, 1997

Asgrow Seed Company

By: Norman A Braksik
Norman A. Braksik
President